Abstract

Disclosed is a method and an apparatus for controlling transmission electric power capable of minimizing a decrease in the amount of maximum transmission electric power without degrading an adjacent channel leakage power ratio when code-multiplexing additional control information with data and main control information. A mobile device checks values of gain factors βd and βc when performing code multiplexing to transmit signals from channels DPDCH to transmit data, DPCCH to transmit main control information, and HS-DPCCH to transmit additional control information. A maximum transmission electric power is decreased at a plurality of levels based on the check result and a ratio (Δhs) between the gain factors βc and βhs. It may be preferable to check the presence or absence of transmission data instead of the gain factor βd. In this case, when no transmission data is available, the maximum transmission electric power is decreased at a plurality of levels based on Δhs. When transmission data is available, the maximum transmission electric power is decreased at a plurality of levels based on the gain factor βc and Δhs.